

From: [Larson, Chad \(ECY\)](#)
To: [Allen, Diane](#)
Cc: [Labiosa, Rochelle](#); [Michael Paul](#)
Subject: RE: recurring WA NSTEPS monthly check-ins
Date: Wednesday, October 04, 2017 10:01:43 AM

Hi Diane,

Yes, you are right, ecoregion 2 is the most urbanized region in Washington, with Seattle, Tacoma, etc. In selecting reference sites in this region, we do have to relax some of the criteria that we use for selecting reference sites, namely road density. Most of our reference sites in this region are pretty good considering the region, but there are sometimes roads or houses near these sites, something that is less of a problem in the other regions we sample. I am not surprised that TN values are higher in the Puget Sound than in other regions.

I hope that gives you a little background information for understanding this trend.

I'll be happy to answer any additional questions as they arise.

Best,

Chad

From: Allen, Diane [mailto:Diane.Allen@tetrattech.com]
Sent: Tuesday, October 03, 2017 8:20 AM
To: Larson, Chad (ECY) <clar461@ECY.WA.GOV>
Cc: Labiosa, Rochelle <labiosa.rochelle@epa.gov>; Paul, Michael <Michael.Paul@tetrattech.com>
Subject: RE: recurring WA NSTEPS monthly check-ins

Hi Chad,

Hope you are well!

Mike and I had a quick question about ecoregion 2. The reference site TN values turn out to be substantially higher than the other ecoregions (I attached a figure of TN values by ecoregion). I know this area is pretty urbanized.

Do you guys apply the same standards to designate reference sites there as you do in, say, the Cascades, or do you have to relax the standard a bit to have anything? Mike remembers your saying something about this a couple months ago, but we can't remember exactly what it was.

Thanks!

Diane